

Most frequently occurring classifications of patents returned
from a search of 10637667 on Jan 25 , 2007

Original Classifications

6	704/231
4	704/254
4	704/256
2	704/243
2	704/267
2	704/251
2	704/242
2	704/232
2	704/245
2	704/244

Cross-Reference Classifications

9	704/243
9	704/251
7	704/256
7	704/240
4	704/231
4	704/242
4	704/254
3	704/241
3	704/255
3	704/245
3	704/258
3	704/257
2	704/233
2	704/256.8

Combined Classifications

11	704/243
11	704/251
11	704/256
10	704/231
8	704/254
8	704/240
6	704/242
5	704/245
4	704/241
4	704/257
3	704/255
3	704/232
3	704/258
3	704/244
2	704/267
2	704/256.4
2	704/234
2	704/222
2	704/233
2	704/260
2	704/236
2	704/256.8
2	704/200
2	704/270

Titles of most frequently occurring classifications of patents returned
from a search of 10637667 on Jan 25 , 2007

11 704/243 (2 OR, 9 XR)
Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
704/200 .SPEECH SIGNAL PROCESSING
704/231 ..Recognition
704/243 ...Creating patterns for matching

11 704/251 (2 OR, 9 XR)
Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
704/200 .SPEECH SIGNAL PROCESSING
704/231 ..Recognition
704/251 ...word recognition

11 704/256 (4 OR, 7 XR)
Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
704/200 .SPEECH SIGNAL PROCESSING
704/231 ..Recognition
704/251 ...word recognition
704/255Specialized models
704/256Markov

10 704/231 (6 OR, 4 XR)
Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
704/200 .SPEECH SIGNAL PROCESSING
704/231 ..Recognition

8 704/254 (4 OR, 4 XR)
Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
704/200 .SPEECH SIGNAL PROCESSING
704/231 ..Recognition
704/251 ...word recognition
704/254Subportions

8 704/240 (1 OR, 7 XR)
Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
704/200 .SPEECH SIGNAL PROCESSING
704/231 ..Recognition
704/236 ...Specialized equations or comparisons
704/240Probability

6 704/242 (2 OR, 4 XR)
Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
704/200 .SPEECH SIGNAL PROCESSING
704/231 ..Recognition
704/236 ...Specialized equations or comparisons
704/242Viterbi trellis

5 704/245 (2 OR, 3 XR)
Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
704/200 .SPEECH SIGNAL PROCESSING
704/231 ..Recognition
704/243 ...Creating patterns for matching

704/245 Clustering

4 704/241 (1 OR, 3 XR)
 Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
 LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
 704/200 .SPEECH SIGNAL PROCESSING
 704/231 ..Recognition
 704/236 ...Specialized equations or comparisons
 704/241 Dynamic time warping

4 704/257 (1 OR, 3 XR)
 Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
 LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
 704/200 .SPEECH SIGNAL PROCESSING
 704/231 ..Recognition
 704/251 ...Word recognition
 704/255 Specialized models
 704/257 Natural language

3 704/255 (0 OR, 3 XR)
 Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
 LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
 704/200 .SPEECH SIGNAL PROCESSING
 704/231 ..Recognition
 704/251 ...Word recognition
 704/255 Specialized models

3 704/232 (2 OR, 1 XR)
 Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
 LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
 704/200 .SPEECH SIGNAL PROCESSING
 704/231 ..Recognition
 704/232 ...Neural network

3 704/258 (0 OR, 3 XR)
 Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
 LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
 704/200 .SPEECH SIGNAL PROCESSING
 704/258 ..Synthesis

3 704/244 (2 OR, 1 XR)
 Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
 LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
 704/200 .SPEECH SIGNAL PROCESSING
 704/231 ..Recognition
 704/243 ...Creating patterns for matching
 704/244 Update patterns

2 704/267 (2 OR, 0 XR)
 Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
 LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
 704/200 .SPEECH SIGNAL PROCESSING
 704/258 ..Synthesis
 704/267 ...Time element

2 704/256.4 (1 OR, 1 XR)
 Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
 LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
 704/200 .SPEECH SIGNAL PROCESSING
 704/231 ..Recognition
 704/251 ...Word recognition
 704/255 Specialized models
 704/256 Markov

704/256.1Hidden Markov Model (HMM) (EPO)
 704/256.4Duration modeling in HMM, e.g., semi HMM, segmental
 models, transition probabilities (EPO)

2 704/234 (1 OR, 1 XR)
 Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
 LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
 704/200 .SPEECH SIGNAL PROCESSING
 704/231 ..Recognition
 704/234 ...Normalizing

2 704/222 (1 OR, 1 XR)
 Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
 LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
 704/200 .SPEECH SIGNAL PROCESSING
 704/201 ..For storage or transmission
 704/221 ...Pattern matching vocoders
 704/222Vector quantization

2 704/233 (0 OR, 2 XR)
 Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
 LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
 704/200 .SPEECH SIGNAL PROCESSING
 704/231 ..Recognition
 704/233 ...Detect speech in noise

2 704/260 (1 OR, 1 XR)
 Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
 LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
 704/200 .SPEECH SIGNAL PROCESSING
 704/258 ..Synthesis
 704/260 ...Image to speech

2 704/236 (1 OR, 1 XR)
 Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
 LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
 704/200 .SPEECH SIGNAL PROCESSING
 704/231 ..Recognition
 704/236 ...Specialized equations or comparisons

2 704/256.8 (0 OR, 2 XR)
 Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
 LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
 704/200 .SPEECH SIGNAL PROCESSING
 704/231 ..Recognition
 704/251 ...Word recognition
 704/255Specialized models
 704/256Markov
 704/256.1Hidden Markov Model (HMM) (EPO)
 704/256.6State emission probability (EPO)
 704/256.8Discrete density, e.g., Vector Quantization
 preprocessor, look up tables (EPO)

2 704/200 (1 OR, 1 XR)
 Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
 LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
 704/200 .SPEECH SIGNAL PROCESSING

2 704/270 (1 OR, 1 XR)
 Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
 LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
 704/200 .SPEECH SIGNAL PROCESSING
 704/270 ..Application